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## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

(Currently amended) An ultrasonic transmitter <u>capable of functioning as an electronic</u>

badge, the ultrasonic transmitter comprising:

a transmitter power source;

a frequency oscillator operating at an ultrasonic frequency;

a microcontroller assembly having an encoder capable of encoding a

predetermined value, a serializer capable of serializing the encoded value, a parity encoder

between the encoder and the serializer, and a micro-modulator capable of micro-modulating the

ultrasonic frequency of the oscillator with the serialized encoded value using the ultrasonic

frequency; and

an ultrasonic transducer capable of transmitting the encoded value as a micro-modulated

ultrasonic signal.

(Cancelled)

(Currently amended) The <u>ultrasonic</u> transmitter according to claim 1, further comprising:

an operational status indicator.

4. (Currently amended) The ultrasonic transmitter according to claim 1, wherein the encoder

has a separate memory area capable of storing rewritable predetermined values.

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- (Currently amended) The <u>ultrasonic</u> transmitter according to claim 1, further comprising: configurable encoder operation switches.
- (Currently amended) The <u>ultrasonic</u> transmitter according to claim 1, further comprising
  a low battery detector.
- (Currently amended) The <u>ultrasonic</u> transmitter according to claim 1, wherein the oscillator is designed to operate at an approximate frequency of 40 KHz.
- (Currently amended) The <u>ultrasonic</u> transmitter according to claim 1, wherein the micromodulator shifts the ultrasonic frequency by more than 1.6%.
- (Currently amended) The <u>ultrasonic</u> transmitter according to claim 1, wherein the transmitter is wearable.
- (Currently amended) The <u>ultrasonic</u> transmitter according to claim 1, wherein the transmitted signal is randomly transmitted.
- (Currently amended) The <u>ultrasonic</u> transmitter according to claim 1, wherein the predetermined value is serialized into 16 bits.
- (Currently amended) An ultrasonic locator system, comprising:
   a fixed location ultrasonic receiver;

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a hub controller capable of receiving signals demodulated by the fixed location ultrasonic receiver;

a system controller coupled to the hub controller; and

an ultrasonic transmitter capable of functioning as an electronic badge, the ultrasonic

transmitter comprising including:

a transmitter power source;

an ultrasonic frequency oscillator [[:]],

a microcontroller assembly having an encoder capable of encoding a

predetermined value,

a serializer capable of serializing the encoded value,

a parity encoder between the encoder and the serializer,

a micro-modulator capable of micro-modulating an ultrasonic frequency of the

oscillator with the serialized encoded value [[;]] , and

an ultrasonic transducer capable of transmitting a micro-modulated ultrasonic

signal to the fixed location ultrasonic receiver[[;]]

a fixed location ultrasonic receiver;

a hub controller capable of receiving signals demodulated by the fixed location ultrasonic

receiver[[s]]; and

a system controller coupled to the hub controller.

(Currently amended) The transmitter ultrasonic locator system according to claim 12, 13.

further comprising:

a database server coupled to the system controller.

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- (Currently amended) The transmitter ultrasonic locator system according to claim 12, wherein the system controller is a computer system.
- 15.-25. (Cancelled)
- 26. (New) The ultrasonic transmitter according to claim 1, further comprising a power source coupled with the ultrasonic transmitter.
- 27. (New) The ultrasonic locator system according to claim 12, further comprising a power source coupled with the ultrasonic transmitter.